

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
15 January 2004 (15.01.2004)

PCT

(10) International Publication Number  
**WO 2004/004728 A1**

- (51) International Patent Classification<sup>7</sup>: **A61K 31/495**,  
A61P 31/12
- (21) International Application Number:  
PCT/EP2003/006746
- (22) International Filing Date: 26 June 2003 (26.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
2002-193901 2 July 2002 (02.07.2002) JP  
2002-193896 2 July 2002 (02.07.2002) JP
- (71) Applicant (for all designated States except US): **UCB**,  
S.A. [BE/BE]; Allée de la Recherche, 60, B-1070 Bruxelles (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MATSUMORI**,  
Akira [JP/JP]; 16-22, Segawa 5-chome, Minoo-shi,  
Osaka-fu (JP). **KOUZAN**, Serge [FR/BE]; Chemin du  
Foriest, B-1420 Braine-l'Alleud (BE).
- (74) Agent: **LECHIEN**, Monique; UCB, S.A., Intellectual  
Property Dept., Allée de la Recherche 60, B-1070 Bruxelles (BE).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,  
SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG,  
US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DIARYLMETHYLPIPERAZINES AS PROPHYLACTIC OR THERAPEUTIC AGENTS FOR VIRAL MYOCARDITIS

(57) Abstract: To provide a prophylactic or therapeutic agent for viral myocarditis and viral myocarditis-related viral diseases by preventing or treating the occurrence of cell damage in various organs regardless of the type of virus. A prophylactic or therapeutic agent for viral myocarditis and viral myocarditis-related viral diseases is provided that comprises as an active ingredient 2-[4-(dipehnylmethyl)-1-piperazinyl]-acetic acid, amide derivative, individual optical isomer or pharmaceutically acceptable salt thereof.